

Application No. 10/509,356  
Attorney Docket No. 2002B040A

### REMARKS

Claims 1, 3-42, and 44-46 are in the case.

Claim 43 has been cancelled to avoid duplicate claims, as requested by the Examiner. It is respectfully requested that the rejection under 35 USC §112 be withdrawn.

The present invention is directed to a process for the oligomerization of a mixed feed comprising C<sub>4</sub> and C<sub>5</sub> olefins in the presence of a selectivated crystalline molecular sieve oligomerization catalyst whereby a product is obtained comprising a dimeric component of the product has an average degree of branching of at most 2.0 and a Type V double bond content of at most 10%.

Blain et al. (US Patent No. 5,026,933), also relates to olefin oligomerization and seeks to control the degree of branching of the oligomer product by employing as the catalyst ZSM-23 having its surface modified with 2,4,6-collidine.

The reference only envisions olefins having C3, C4, and mixtures thereof. See col. 5, lines 52-61. Accordingly, the present invention is not anticipated by Blain et al. and it is respectfully requested that the rejection under 35 USC §102 be withdrawn.

EP 0 402 051 A2 (EP '051) does not cure the deficiencies of Blain et al. The reference is primarily interested in oligomers of a C3 or C4 feedstream to obtain C12 or greater carbon number (see, for instance, page 2, lines 38-47) having only methyl side groups.

Accordingly, the references taken together cannot fairly suggest the present invention and it is respectfully requested that the rejection under 35 USC §103 be withdrawn.

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Applicants believe the present application is in condition for examination on the merits and early indication of such is earnestly solicited.

Respectfully submitted,

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